

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

Claim 1 (currently amended). A ceramic composite body, comprising:

a first layer A containing phases of a metal and a carbide of said metal, said first layer A having a porosity of below 20% by volume; and

a second layer B containing particles of silicon carbide bound in part by carbon binding phases and in part directly by sintered bridges, said second layer B containing nitrides of at least one element selected from the group consisting of silicon, titanium, zirconium, boron, and aluminum, said second layer B having a porosity of 5 to 35% by volume;

the ceramic composite body being a single one-piece body, the ceramic composite body containing no fibers.

Claim 2 (cancelled).

Claim 3 (previously presented). The ceramic composite body according to claim 1, wherein said second layer B has a porosity of from 12 to 27% by volume.

Claim 4 (previously presented). The ceramic composite body according to claim 1, wherein:

said first layer A has a density over 2.1 g/ccm; and

said second layer B has a density under 2.55 g/ccm.

Claim 5 (original). The ceramic composite body according to claim 1, wherein said silicon carbide contains at least 25% silicon by mass.

Claim 6 (previously presented). The ceramic composite body according to claim 1, further comprising a third layer A, said second layer B being sandwiched between said first and third layers A.

Claim 7 (original). The ceramic composite body according to claim 1, wherein said silicon carbide forms 70% by mass of said layer B.

Claim 8 (cancelled).

Claim 9 (previously presented). The ceramic composite body according to claim 1, wherein:

said first layer A contains nitrides of at least one element selected from the group consisting of silicon, titanium, zirconium, boron, and aluminum; and

said layers A and B have equal proportions of nitrides by mass.

Claim 10 (previously presented). The ceramic composite body according to claim 1, wherein a proportion of said nitrides in said second layer B is from 0.05 to 15% by mass.

Claim 11 (original). The ceramic composite body according to claim 9, wherein said proportion of said nitrides in layers A and B is from 0.05 to 15% by mass.

Claim 12 (original). The ceramic composite body according to claim 1, wherein said layer A contains at least 70% silicon carbide by mass.

Claim 13 (original). The ceramic composite body according to claim 1, wherein at least part of a volume of said layer B not

filled by said silicon carbide is filled by a filler with a hardness of at most 5 on Mohls' scale, said filler being selected from the group consisting of a plastic, a synthetic resin, an elastomer, a glue, and a metal.

Claim 14 (withdrawn - currently amended). A method for fabricating a ceramic composite bodies body according to claim 1, which comprises:

producing a green body containing powdered silicon carbide and a powdered metal nitride and a carbonizable organic binder in a first step;

carbonizing the green body into a porous carbon body containing carbon by heating in a non-oxidizing atmosphere to a temperature between 650° and 1800° C in a second step;

infiltrating the carbon body from a side with a metal melt containing silicon in a third step;

selecting the temperature to convert at least a portion of the carbon into carbides with a ligand, the ligand being selected from the group consisting of the metal melt and the silicon; and

selecting a quantity of the metal melt and the metal nitride to prevent the ligand from entering an inner region of the body.

Claim 15 (withdrawn). The method according to claim 14, wherein the metal melt containing the silicon contains at least 25% silicon by mass.

Claim 16 (withdrawn). The method according to claim 14, which further comprises selecting the metal nitride in the green body from the group consisting of titanium nitride, zirconium nitride, silicon nitride, boron nitride, and aluminum nitride.

Claim 17 (withdrawn). The method according to claim 14, which further comprises including in the green body carbon in a form selected from the group consisting of coke, natural graphite, synthetic graphite, carbonized organic material, carbon fibers, and glass carbon.

Claim 18 (withdrawn). The method according to claim 14, which further comprises at least partly filling a porosity remaining in the composite body after the infiltrating step with a filler with a hardness of at most 5 on Mohls' scale, the filler being selected from the group consisting of a plastic, a synthetic resin, an elastomer, a glue, and a metal.

Claim 19 (withdrawn). An armor, comprising a plate having at least two layers made from the ceramic composite body according to claim 1.

Claim 20 (withdrawn). The armor according to claim 19, wherein said plate has an overall thickness from 6 to 300 mm.

Claim 21 (withdrawn). The armor according to claim 19, wherein:

said layer A faces a load direction relative to said layer B;  
and

a thickness ratio of said layer A to said layer B is at most 1:20.

Claim 22 (withdrawn). The armor according to claim 19, further comprising a further layer A; said layer B being sandwiched between said layers A.

Claim 23 (withdrawn). The armor according to claim 19, further comprising a layer of fiber material reinforcing a side of said plates averted from a load direction.

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Claim 24 (withdrawn). The armor according to claim 23,  
wherein said fiber material is a textile.